

K. Carlson

Re-run

1653

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P#7



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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/744,314

DATE: 11/26/2002

TIME: 09:33:34

Input Set : N:\paola\US09744314.raw

Output Set: N:\CRF4\11262002\I744314.raw

ENTERED

1 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
2 BANDMAN, Olga
3 TANG, Y. Tom
4 YUE, Henry
5 CORLEY, Neil C.
6 GUEGLER, Karl J.
7 AZIMZAI, Yalda
8 PATTERSON, Chandra
9 LAL, Preeti
10 BAUGHN, Mariah R.
11 <120> TITLE OF INVENTION: HUMAN TROPOMYOSIN-LIKE TUMOR-ASSOCIATED PROTEINS
12 <130> FILE REFERENCE: PF-0568 PCT
13 <140> CURRENT APPLICATION NUMBER: US/09/744,314
14 <141> CURRENT FILING DATE: 2002-08-26
15 <150> PRIOR APPLICATION NUMBER: 09/127,665
16 <151> PRIOR FILING DATE: 1998-07-31
17 <160> NUMBER OF SEQ ID NOS: 17
18 <170> SOFTWARE: FastSeq Ver. 3.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 284
22 <212> TYPE: PRT
23 <213> ORGANISM: Homo sapiens
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25 <221> NAME/KEY: misc_feature
26 <223> OTHER INFORMATION: Incyte Clone No: 1274060
27 <400> SEQUENCE: 1
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30 Glu Asn Ala Ile Asp Arg Ala Glu Gln Ala Glu Ala Asp Lys Lys
31 20 25 30
32 Ala Ala Glu Asp Lys Cys Lys Gln Val Glu Glu Leu Thr His
33 35 40 45
34 Leu Gln Lys Lys Leu Lys Gly Thr Glu Asp Glu Leu Asp Lys Tyr
35 50 55 60
36 Ser Glu Asp Leu Lys Asp Ala Gln Glu Lys Leu Glu Leu Thr Glu
37 65 70 75
38 Lys Lys Ala Ser Asp Ala Glu Gly Asp Val Ala Ala Leu Asn Arg
39 80 85 90
40 Arg Ile Gln Leu Val Glu Glu Glu Leu Asp Arg Ala Gln Glu Arg
41 95 100 105
42 Leu Ala Thr Ala Leu Gln Lys Leu Glu Glu Ala Glu Lys Ala Ala
43 110 115 120
44 Asp Glu Ser Glu Arg Gly Met Lys Val Ile Glu Asn Arg Ala Met

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45		125		130		135
46	Lys Asp Glu Glu	Lys Met Glu Ile Gln	Glu Met Gln Leu Lys	Glu		
47		140		145		150
48	Ala Lys His Ile	Ala Glu Glu Ala Asp	Arg Lys Tyr Glu Glu	Val		
49		155		160		165
50	Ala Arg Lys Leu	Val Ile Leu Glu Gly	Glu Leu Glu Arg Ala	Glu		
51		170		175		180
52	Glu Arg Ala Glu	Val Ser Glu Leu Lys	Cys Gly Asp Leu Glu	Glu		
53		185		190		195
54	Glu Leu Lys Asn	Val Thr Asn Asn Leu	Lys Ser Leu Glu Ala	Ala		
55		200		205		210
56	Ser Glu Lys Tyr	Ser Glu Lys Glu Asp	Lys Tyr Glu Glu Glu	Ile		
57		215		220		225
58	Lys Leu Leu Ser	Asp Lys Leu Lys Glu	Ala Glu Thr Arg Ala	Glu		
59		230		235		240
60	Phe Ala Glu Arg	Thr Val Ala Lys Leu	Glu Lys Thr Ile Asp	Asp		
61		245		250		255
62	Leu Glu Glu Lys	Leu Ala Gln Ala Lys	Glu Glu Asn Val Gly	Leu		
63		260		265		270
64	His Gln Thr Leu	Asp Gln Thr Leu Asn	Glu Leu Asn Cys Ile			
65		275		280		
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78		20	25	30		
79	Glu Ala Asp Arg	Lys Tyr Glu Glu Val	Ala Arg Lys Leu Val	Ile		
80		35	40	45		
81	Leu Glu Gly Glu	Leu Glu Arg Ala Glu	Glu Arg Ala Glu Val	Ser		
82		50	55	60		
83	Glu Leu Lys Cys	Gly Asp Leu Glu Glu	Glu Leu Lys Asn Val	Thr		
84		65	70	75		
85	Asn Asn Leu Lys	Ser Leu Glu Ala Ala	Ser Glu Lys Tyr Ser	Glu		
86		80	85	90		
87	Lys Glu Asp Lys	Tyr Glu Glu Glu Ile	Lys Leu Leu Ser Asp	Lys		
88		95	100	105		
89	Leu Lys Glu Ala	Glu Thr Arg Ala Glu	Phe Ala Glu Arg Thr	Val		
90		110	115	120		
91	Ala Lys Leu Glu	Lys Thr Ile Asp Asp	Leu Glu Glu Lys Leu	Ala		
92		125	130	135		
93	Gln Ala Lys Glu	Glu Asn Val Gly Leu	His Gln Thr Leu Asp	Gln		
94		140	145	150		

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95      Thr Leu Asn Glu Leu Asn Cys Ile
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99 <211> LENGTH: 208
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101 <213> ORGANISM: Homo sapiens
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <223> OTHER INFORMATION: Incyte Clone No: 1426711
105 <400> SEQUENCE: 3
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108      Glu Asn Ala Leu Asp Arg Ala Glu Gln Ala Glu Ala Asp Lys Lys
109                      20                      25                      30
110      Ala Ala Glu Asp Arg Ser Lys Gln Leu Glu Glu Asp Ile Ala Ala
111                      35                      40                      45
112      Lys Glu Lys Leu Leu Arg Val Ser Glu Asp Glu Arg Asp Arg Val
113                      50                      55                      60
114      Leu Glu Glu Leu His Lys Ala Glu Asp Ser Leu Leu Ala Ala Glu
115                      65                      70                      75
116      Glu Ala Ala Ala Lys Ala Glu Ala Asp Val Ala Ser Leu Asn Arg
117                      80                      85                      90
118      Arg Ile Gln Leu Val Glu Glu Glu Leu Asp Arg Ala Gln Glu Arg
119                      95                      100                     105
120      Leu Ala Thr Ala Leu Gln Lys Leu Glu Glu Ala Glu Lys Ala Ala
121                      110                     115                     120
122      Asp Glu Ser Glu Arg Gly Met Lys Val Ile Glu Ser Arg Ala Gln
123                      125                     130                     135
124      Lys Asp Glu Glu Lys Met Glu Ile Gln Glu Ile Gln Leu Lys Glu
125                      140                     145                     150
126      Ala Lys His Ile Ala Glu Asp Ala Asp Arg Lys Tyr Glu Glu Val
127                      155                     160                     165
128      Ala Arg Lys Leu Val Ile Ile Glu Ser Asp Leu Glu Arg Ala Glu
129                      170                     175                     180
130      Glu Arg Ala Gly Glu Gly Leu Asp Lys Asp Arg Arg Ala Ala Thr
131                      185                     190                     195
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133                      200                     205
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136 <211> LENGTH: 156
137 <212> TYPE: PRT
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139 <220> FEATURE:
140 <221> NAME/KEY: misc_feature
141 <223> OTHER INFORMATION: Incyte Clone No: 1676756
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145      Leu Arg Glu Leu Thr Glu Gly Arg Thr Leu Asp Trp Pro Gln Asn

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146		20		25		30
147	Arg Ile Thr Glu Val Ser Ala Lys Arg Gln Ile Val Thr Glu Tyr					
148		35		40		45
149	Arg Glu Lys Gly Lys Arg Asn Tyr Glu Glu Lys Lys Arg Asp Leu					
150		50		55		60
151	Glu Gly Arg Ser Arg Arg Tyr Asn Leu Cys Ile Ile Gly Ile Pro					
152		65		70		75
153	Glu Thr Glu Asp Arg Ala Ser Gly Ala Glu Thr Ile Lys Asp Leu					
154		80		85		90
155	Leu Glu Lys Asn Pro Glu Leu Lys Asn Glu Leu Asp Leu Gln					
156		95		100		105
157	Met Glu Lys Ala His Arg Ile Pro Leu Lys Phe Asn Glu Lys Lys					
158		110		115		120
159	Ala Ala Ser Arg His Ile Arg Val Thr Phe Leu Asn Phe Lys Asp					
160		125		130		135
161	Glu Thr Phe Tyr Lys His Pro Val Arg Glu Ser Arg Leu Leu Thr					
162		140		145		150
163	Lys Gly Gln Lys Ser Gly					
164		155				
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167	<211> LENGTH: 876					
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169	<213> ORGANISM: Homo sapiens					
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172	<223> OTHER INFORMATION: Incyte Clone No: 1843770					
173	<400> SEQUENCE: 5					
174	Met Ala Ser Asp Ala Ser His Ala Leu Glu Ala Ala Leu Glu Gln					
175	1	5		10		15
176	Met Asp Gly Ile Ile Ala Gly Thr Lys Thr Gly Ala Asp Leu Ser					
177		20		25		30
178	Asp Gly Thr Cys Glu Pro Gly Leu Ala Ser Pro Ala Ser Tyr Met					
179		35		40		45
180	Asn Pro Phe Pro Val Leu His Leu Ile Glu Asp Leu Arg Leu Ala					
181		50		55		60
182	Leu Glu Met Leu Glu Leu Pro Gln Glu Arg Ala Ala Leu Leu Ser					
183		65		70		75
184	Gln Ile Pro Gly Pro Thr Ala Ala Tyr Ile Lys Glu Trp Phe Glu					
185		80		85		90
186	Glu Ser Leu Ser Gln Val Asn His His Ser Ala Ala Ser Asn Glu					
187		95		100		105
188	Thr Tyr Gln Glu Arg Leu Ala Arg Leu Glu Gly Asp Lys Glu Ser					
189		110		115		120
190	Leu Ile Leu Gln Val Ser Val Leu Thr Asp Gln Val Glu Ala Gln					
191		125		130		135
192	Gly Glu Lys Ile Arg Asp Leu Glu Val Cys Leu Glu Gly His Gln					
193		140		145		150
194	Val Lys Leu Asn Ala Ala Glu Glu Met Leu Gln Gln Glu Leu Leu					
195		155		160		165

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196	Ser	Arg	Thr	Ser	Leu	Glu	Thr	Gln	Lys	Leu	Asp	Leu	Met	Thr	Glu
197					170					175					180
198	Val	Ser	Glu	Leu	Lys	Leu	Lys	Leu	Val	Gly	Met	Glu	Lys	Glu	Gln
199					185					190					195
200	Arg	Glu	Gln	Glu	Glu	Lys	Gln	Arg	Lys	Ala	Glu	Glu	Leu	Leu	Gln
201					200					205					210
202	Glu	Leu	Arg	His	Leu	Lys	Ile	Lys	Val	Glu	Glu	Leu	Glu	Asn	Glu
203					215					220					225
204	Arg	Asn	Gln	Tyr	Glu	Trp	Lys	Leu	Lys	Ala	Thr	Lys	Ala	Glu	Val
205					230					235					240
206	Ala	Gln	Leu	Gln	Glu	Gln	Val	Ala	Leu	Lys	Asp	Ala	Glu	Ile	Glu
207					245					250					255
208	Arg	Leu	His	Ser	Gln	Leu	Ser	Arg	Thr	Ala	Ala	Leu	His	Ser	Glu
209					260					265					270
210	Ser	His	Thr	Glu	Arg	Asp	Gln	Glu	Ile	Gln	Arg	Leu	Lys	Met	Gly
211					275					280					285
212	Met	Glu	Thr	Leu	Leu	Leu	Ala	Asn	Glu	Asp	Lys	Asp	Arg	Arg	Ile
213					290					295					300
214	Glu	Glu	Leu	Thr	Gly	Leu	Leu	Asn	Gln	Tyr	Arg	Lys	Val	Lys	Glu
215					305					310					315
216	Ile	Val	Met	Val	Thr	Gln	Gly	Pro	Ser	Glu	Arg	Thr	Leu	Ser	Ile
217					320					325					330
218	Asn	Glu	Glu	Glu	Pro	Glu	Gly	Gly	Phe	Ser	Lys	Trp	Asn	Ala	Thr
219					335					340					345
220	Asn	Lys	Asp	Pro	Glu	Glu	Leu	Phe	Lys	Gln	Glu	Met	Pro	Pro	Arg
221					350					355					360
222	Cys	Ser	Ser	Pro	Thr	Val	Gly	Pro	Pro	Pro	Leu	Pro	Gln	Lys	Ser
223					365					370					375
224	Leu	Glu	Thr	Arg	Ala	Gln	Lys	Lys	Leu	Ser	Cys	Ser	Leu	Glu	Asp
225					380					385					390
226	Leu	Arg	Ser	Glu	Ser	Val	Asp	Lys	Cys	Met	Asp	Gly	Asn	Gln	Pro
227					395					400					405
228	Phe	Pro	Val	Leu	Glu	Pro	Lys	Asp	Ser	Pro	Phe	Leu	Ala	Glu	His
229					410					415					420
230	Lys	Tyr	Pro	Thr	Leu	Pro	Gly	Lys	Leu	Ser	Gly	Ala	Thr	Pro	Asn
231					425					430					435
232	Gly	Glu	Ala	Ala	Lys	Ser	Pro	Pro	Thr	Ile	Cys	Gln	Pro	Asp	Ala
233					440					445					450
234	Thr	Gly	Ser	Ser	Leu	Leu	Arg	Leu	Arg	Asp	Thr	Glu	Ser	Gly	Trp
235					455					460					465
236	Asp	Asp	Thr	Ala	Val	Val	Asn	Asp	Leu	Ser	Ser	Thr	Ser	Ser	Gly
237					470					475					480
238	Thr	Glu	Ser	Gly	Pro	Gln	Ser	Pro	Leu	Thr	Pro	Asp	Gly	Lys	Arg
239					485					490					495
240	Asn	Pro	Lys	Gly	Ile	Lys	Lys	Phe	Trp	Gly	Lys	Ile	Arg	Arg	Thr
241					500					505					510
242	Gln	Ser	Gly	Asn	Phe	Tyr	Thr	Asp	Thr	Leu	Gly	Met	Ala	Glu	Phe
243					515					520					525
244	Arg	Arg	Gly	Gly	Leu	Arg	Ala	Thr	Ala	Gly	Pro	Arg	Leu	Ser	Arg

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/744,314

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Input Set : N:\paola\US09744314.raw

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